consent form

**CONSENT FORM** 

**Project Title: Social Implications of the GPT3 Era** 

Investigators: Diyi Yang, Amy Bruckman

**Student:** Yihe Liu, Anushk Mittal

You are being asked to be a volunteer in a research study. The purpose of this study is to examine the participant's understanding of written textual communication. The study will take approximately 12 minutes to complete. We will not tell you everything about the study in advance. When the study is over, we will tell you everything. At that time you can decide whether to let us use your information. You have the right to then require that your information be destroyed.

Your participation in this study is gratefully acknowledged. Your information/data will be anonymized and will not be used outside of the scope of this study.

To protect your privacy, your name will not be collected or connected to the information or data that you provide.

The risks involved are no greater than those involved in daily activities.

We will comply with any applicable laws and regulations regarding confidentiality. To make sure that this research is being carried out in the proper way, the Georgia Institute of Technology IRB may review study records. The Office of Human Research Protections may also look at study records. If you have any questions about the study, you may contact Dr. Diyi Yang via email at salt.socialcomputing@gmail.com. If you have any questions about your rights as a research subject, you may contact Ms. Melanie Clark, Georgia Institute of Technology at (404) 894-6942.

If you complete the attached survey, it means that you have read -- or have had read to you -- the information contained in this letter and would like to be a volunteer in this research study.

Thank you for participating in this study.

#### demographics

## **Demographics Survey**

Please respond to the following questions.

Feel free to decline to answer ANY of the questions.

How old are you (in years)?

What is your gender?

Male

Female

Other

Prefer not to say

Please specify your ethnicity (please select all that apply)

White

Black or African American

American Indian or Alaska Native

Asian

Native Hawaiian or Pacific Islander

Other

Prefer not to say

#### description

You will now be presented with a few emails. Please assume that you are the intended recipient of these emails. After reading each email, you'll be asked to summarize it in a few words and answer a few questions pertaining to the email.

This would be repeated 6 times. It should take about 12 minutes to get through this survey.

## **email-1(1)**

Hi, I was looking at your website and wondering if it's possible to grow tomatoes inside in the winter in an apartment? Is there a particular type of tomato that would be easier to grow? Would I need a grow light?

Looking forward to your reply.

Thank you,

Drew

What was this email about?



		Neither		
Strongly	Somewhat	agree nor	Somewhat	Strongly
disagree	disagree	disagree	agree	agree

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree		
Is the customer concerned that they ask all adequate information from customer support?	Ο	Ο	Ο	Ο	Ο		
Do you expect the customer to buy this product?	Ο	0	0	0	0		
Is the customer hiding any information that they already know?	0	0	0	0	0		
Are you familiar with the product being referred to in this email by the customer?	0	0	0	0	0		
Do you think this e-mail was (1) "Definitely Human-written" to (6) "Definitely Algenerated"							
1 2		3	4	5	6		
On a scale of 1-7, (1) being the lowest and (7) being the highest, how personal would you rate this email to be							
1 2	3	4	5	6	7		
email-2(1)							

## **email-2(1)**

Hi team,

I am a student at Georgia Tech looking to buy a few Raspberry Pis for a research project we are working on in a class. I was wondering if you offer any student discounts. Please let me know if you need any further information.

Thank you, Charlie

What was this email about?							
Please answer the you were the rec				-	-		
		Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree	
Do you expect the customer to buy the product?		0	0	0	0	0	
Is the customer concerned that the ask all adequate information from customer support?		Ο	0	Ο	0	0	
Is the customer hid any information the they already know	at	0	0	0	0	0	
Are you familiar w the product being referred to in this of by the customer?		0	0	0	0	0	
Do you think this generated"	e-mail	was (1) "De	finitely Humar	n-written" to (	6) "Definitely A	Al-	
1	2		3	4	5	6	
On a scale of 1-7	` '		est and (7) bei	ng the highes	st, how person	al would	
1	2	3	4	5	6	7	

email-3(1)

Hi team,

I am the branch manager of Velocity, Inc.'s regional office in San Francisco. We are currently exploring alternative suppliers for our stationery products as our current vendors are shutting down. We were exploring through your website and are interested in the selection that you offer. Is there any bulk pricing that you might be able to offer us? We typically have steady monthly demand for everyday items and per the company policy, we'd be utilizing your services for all our office product needs. PFA a sample invoice from our current vendor for an idea of our demand and pricing requirements.

Looking	forward	to	hearing	from	vou.
Locking	101 WUIG	CO	Hourning		you,

	nd		n
LU	HU	U	и

Wha	at was this email about?		

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Is the customer concerned that they ask all adequate information from customer support?	Ο	Ο	Ο	0	0
Do you expect the customer to buy this product?	0	0	0	0	0
Is the customer hiding any information that they already know?	0	0	0	0	0

		Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree	
Are you familiar wi the product being referred to in this e by the customer?		Ο	0	0	0	0	
Do you think this e-mail was (1) "Definitely Human-written" to (6) "Definitely Algenerated"							
1	2		3	4	5	6	
On a scale of 1-7, (1) being the lowest and (7) being the highest, how personal would you rate this email to be							
1	2	3	4	5	6	7	
email-4(1)							
Hi,							

I am a hobbyist biohacker looking to explore the CRISPR Cas9 gene editing modules. I came across your company while watching the netflix documentary "Unnatural Selection" and am impressed by the catalog of items that you offer for hobbyist bio researchers outside traditional environments. Particularly, I am interested in buying the 'Advanced Kit' marked at 799. The website listing mentions that the kit may take some time to deliver as the individual items are procured from miscellaneous bulk orders. I was wondering if I place an order today, how long would it take to get the delivery? And if I'd be charged instantly or at the time of delivery? Also, if it would be possible to cancel the order after some time if my intentions change?

Looking forward to your response.

Thanks, Kyle

What was this email about?							
Please answer				_			
		Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree	
Is the customer concerned that t ask all adequate information from customer suppo	) 	Ο	0	Ο	Ο	0	
Is the customer any information they already kno	that	0	0	0	0	Ο	
Are you familiar the product bein referred to in this by the customer	g s email	0	0	0	0	0	
Do you expect the customer to buy product?		0	0	0	0	0	
Do you think th generated"	is e-mail	was (1) "De	finitely Humar	n-written" to ((	6) "Definitely A	Al-	
1	2		3	4	5	6	
On a scale of 1		_	est and (7) bei	ng the highes	st, how person	al would	
1	2	3	4	5	6	7	

Hi team,

I am writing to you to ask about the pricing plans available for OpenAl's API. I see that you offer three plans: free, hobbyist and professional and while these plans are great, as a student it is hard to afford the API per the usage limitations prescribed with these plans. As I imagine you are well aware, it takes a lot of trial and error to get familiar with using the provided API and the free plan seems to run out in a mere couple of trials. So, I was wondering if you offer any student plans or further pricing tiers to accommodate for non-commercial products and learning.

Please	let	me	know
Micah			

,	Vhat was this email about?	

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Are you familiar with the product being referred to in this email by the customer?	0	0	Ο	0	0
Is the customer concerned that they ask all adequate information from customer support?	Ο	0	Ο	Ο	0
Do you expect the customer to buy this product?	0	0	0	0	0
Is the customer hiding any information that they already know?	0	0	0	0	0

Do you think this generated"	e-mail was (	1) "Definitely Hu	ıman-written"	to (6) "Definitely	Al-		
1	2	3	4	5	6		
On a scale of 1-7 you rate this ema	. ,	e lowest and (7	) being the hig	ghest, how perso	onal would		
1	2	3	4	5	6		
email-1(2)							
Hi Alex,							
As you might (or this occasion, I a to invite you :)	,						
I'll be hosting it a	-	•		an make it!! It w	ill be a		
Please don't both	_	ny gifts or be fo	rmal about it.	The idea is to ju	st have lots of		
Let me know if y	ou have any o	questions.					
Best, Sage							
What was this email about?							
					1.		

Please answer the following questions based on the email you just read assuming that you were the receiver of this e-mail. Please make sure to read each question carefully.

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Have you ever received an email invitation (or sent one) for a special celebration party?	Ο	Ο	Ο	Ο	Ο
Do you think the sender is hiding any information?	0	0	0	0	0
Do you think the sender is capable of hosting this party?	0	0	0	0	0
Do you believe that the sender will actually hold this party?	0	0	0	0	0

Do you think this e-mail was (1) "Definitely Human-written" to (6) "Definitely Algenerated"

1 2

On a scale of 1-7, (1) being the lowest and (7) being the highest, how personal would you rate this email to be

## email-2(2)

Hi Jules,

How are you doing? It's been quite a while since we met each other. 8 months to be exact! I'm super excited to host my birthday party this weekend and wanted to check in with you, if you might be able to make it. We plan to start around 9pm, but you can come

by a bit late if that works better. I know you get off work late on weekends! Please bring your brother as well if he's free. Always fun to see him
Look forward to seeing you!
Best, Bailey
What was this email about?

Please answer the following questions based on the email you just read assuming that you were the receiver of this e-mail. Please make sure to read each question carefully.

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Do you think the sender is hiding any information?	0	0	0	0	0
Do you think the sender is capable of hosting this party?	0	0	0	0	0
Have you ever received an email invitation (or sent one) for a special celebration party?	Ο	0	Ο	0	Ο
Do you believe that the sender will actually hold this party?	0	0	0	0	0

Do you think this e-mail was (1) "Definitely Human-written" to (6) "Definitely Algenerated"

1 2 3 4 5 6

	of 1-7, (1) beir s email to be	ng the lowest	t and (7) bei	ng the highest	t, how persor	nal would
1	2	3	4	5	6	7
email-3(2)						
Hi Riley,						
it! I wanted thave a superpresence as anything j	ble to get a but to drop you this er exciting ann some of the ease ust be ready to sting it at our F	is email to in ouncement the arly investors on casually tare.	vite you to o to make and who believe lk good abo	ur fundraiser it would be great in us. You out the second the seco	completion preat to have to don't have to erved the roo	arty. We your prepare
	nice weather ne know what		hope you'll	be able to ma	ike it!	
Best, Arden		you ummu				
What was th	nis email abou	t?				//
	wer the following receiver of the					

Neither
Strongly Somewhat agree nor Somewhat Strongly
disagree disagree agree agree

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree	
Do you believe that the sender will actually hold this party?	0	0	0	0	0	
Do you think the sender is capable of hosting this party?	0	0	Ο	0	0	
Do you think the sender is hiding any information?	0	0	Ο	0	0	
Have you ever received an email invitation (or sent one) for a special celebration party?	0	0	0	0	0	
Do you think this e-mail generated"	was (1) "De	finitely Humar	n-written" to (6	6) "Definitely A	\l-	
1 2		3	4	5	6	
On a scale of 1-7, (1) being the lowest and (7) being the highest, how personal would you rate this email to be						
1 2	3	4	5	6	7	
email-4(2)						

Hi Mum,

Catherine and I are throwing our first anniversary party next week and wanted to invite you and dad to join us on our boat. Catherine's parents are going to be there and a couple of close friends who you know. We'll have dinner on the boat and can sail around for a bit. We haven't decided on the time yet... wanted to check your availability first. Are there any times that don't work for you for next Friday?

Excited to see you soon!

Best, Rory						
What was this en	nail abo	ut?				
Please answer the you were the rec				_	-	
		Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Do you think the sender is capable hosting this party?		0	0	0	0	0
Have you ever received an email invitation (or sent of for a special celebration party?	one)	0	0	0	0	0
Do you believe that the sender will act hold this party?		0	0	0	0	0
Do you think the sender is hiding ar information?	ny	0	0	0	0	0
Do you think this generated"	e-mail v	was (1) "De	finitely Humar	n-written" to ((	6) "Definitely A	Al-
1	2		3	4	5	6
On a scale of 1-7 you rate this ema		ing the lowe	est and (7) bei	ng the highes	st, how person	al would
1	2	3	4	5	6	7

#### email-5(2)

Hi North,

How's your week been? Were you able to close the client that you were talking about? So.. My mum's birthday is coming up in 2 weeks and I was wondering if you'd be free 2 wednesdays from now... sometime around 8pm onwards? I'm throwing her a surprise birthday party and as you're her favorite friend of mine, and you enjoy her company as well, I thought it might be nice to have you there. We'll be hosting in our backyard.. nothing formal... just a few friends and family (most of whom you know) and we'll be having some of mum's favorite food.

Let me know if you have any fun ideas for the party. And I hope you are able to make it!

Best, Marlowe

What was	this	email	about?
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		li .

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Do you believe that the sender will actually hold this party?	Ο	0	0	0	0
Have you ever received an email invitation (or sent one) for a special celebration party?	0	0	Ο	0	0

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree	
Do you think the sender is capable of hosting this party?	0	0	0	0	0	
Do you think the sender is hiding any information?	Ο	0	0	0	0	
Do you think this e-ma	il was (1) "De	finitely Humar	n-written" to (6	6) "Definitely A	Al-	
1 2	2	3	4	5	6	
On a scale of 1-7, (1) by you rate this email to be a constant of the constant		est and (7) bei 4	ng the highes	st, how person	al would 7	
Hi Elliott,						
Dave just let me know about Spot dieing. I'm so sorry for your loss. I know words wouldn't be able to comfort you at this time but I just wanted to write in to let you know I'm thinking about you. I'm here if I can help in any way. I cherish our memories with Spot together. The way he'd fetch ball with Jimmy!! I'll share our album with you on Google Photos.						
Take care! Quinn						

What was this email about?

Please answer the follow you were the receiver of	-		-	-	
	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Do you think the sender actually believed in what they said?	Ο	0	0	0	0
Do you believe that the sender is actually concerned for their friend?	0	0	Ο	0	0
Do you believe that the sender actually understands the loss of their friend?	0	0	Ο	0	0
Have you ever (or had a close friend or family member) experience a loss of a pet?	0	0	Ο	0	0
Do you think this e-mail v	was (1) "De	finitely Humar	ı-written" to (	6) "Definitely A	\l-
1 2		3	4	5	6
On a scale of 1-7, (1) be you rate this email to be	ing the lowe	est and (7) bei	ng the highe	st, how person	al would
1 2	3	4	5	6	7
email-2(3)					

Hi Maddie,

I am so sorry to hear about rabbit. I was always fascinated by him and enjoyed seeing him at your place. I had those little red carrots from Whole Foods Market mailed to you :/

At the same time, we shouldn't forget he is no longer in pain. We will always cherish the memories we have of him and remember the life lessons he taught about having fun and not taking ourselves seriously.

I miss him fond	y too. Please	take care! And,	call me	anytime!
-----------------	---------------	-----------------	---------	----------

Best,
Dave

What was this email abou
--------------------------

	//

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Do you think the sender actually believed in what they said?	0	0	0	0	0
Do you believe that the sender actually understands the loss of their friend?	0	0	Ο	0	0
Have you ever (or had a close friend or family member) experience a loss of a pet?	0	0	0	0	0
Do you believe that the sender is actually concerned for their friend?	0	0	0	0	0

Do you think this generated"	s e-mail was	s (1) "Defini	tely Human	-written" to	(6) "Definitely A	<b>\</b> I-		
1	2	3		4	5	6		
On a scale of 1-7, (1) being the lowest and (7) being the highest, how personal would you rate this email to be								
1	2	3	4	5	6	7		
email-3(3)								
Hi Angie.								
I heard about you was such a good on my lap as so	d boy! It's h	ard to imag	-	-	-	-		
I hope you can be days must have gets old.								
I wish you well,	Angie.							
Sincerely, John								
What was this e	mail about?							
						li		

Please answer the following questions based on the email you just read assuming that you were the receiver of this e-mail. Please make sure to read each question carefully.

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Do you believe that the sender is actually concerned for their friend?	0	0	Ο	0	0
Do you think the sender actually believed in what they said?	0	0	0	0	0
Do you believe that the sender actually understands the loss of their friend?	0	0	0	0	0
Have you ever (or had a close friend or family member) experience a loss of a pet?	0	0	0	0	0

Do you think this e-mail was (1) "Definitely Human-written" to (6) "Definitely Algenerated"

On a scale of 1-7, (1) being the lowest and (7) being the highest, how personal would you rate this email to be

## email-4(3)

Hi Maddie,

I am sorry to hear about the loss of your dog. This year has been so terrible! You didn't need this tragedy on top of everything else. I hope he wasn't in too much pain. I'm glad to hear you were able to take him to his favorite spot last week.

Dogs are really family members.	I will be here for you if you ever need to talk.	
Good luck, Maddie.		
Jon		
What was this email about?		

Please answer the following questions based on the email you just read assuming that you were the receiver of this e-mail. Please make sure to read each question carefully.

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Do you believe that the sender is actually concerned for their friend?	0	0	Ο	0	0
Do you think the sender actually believed in what they said?	Ο	0	Ο	0	Ο
Have you ever (or had a close friend or family member) experience a loss of a pet?	Ο	0	Ο	0	Ο
Do you believe that the sender actually understands the loss of their friend?	0	0	0	0	0

Do you think this e-mail was (1) "Definitely Human-written" to (6) "Definitely Algenerated"

1 2 3 4 5 6

On a scale of 1-7, (1) you rate this email to		est and (7) bei	ng the highes	t, how person	al would
1 2	3	4	5	6	7
email-5(3)					
Hi Maddie,					
I'm very sorry to hear just a fish!" But some had him so many yea	ehow I think Mr.	Blue was diff	erent. Such	a beautiful fish	n, and you
Take care, John					
What was this email	about?				
Please answer the fo	•		-	-	•
	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Do you believe that the sender is actually concerned for their friend?	0	0	0	0	0
Have you ever (or had a close friend or family member) experience a loss of a pet?	0	0	0	0	0

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree	
Do you believe that the sender actually understands the loss of their friend?	0	0	0	0	0	
Do you think the sender actually believed in what they said?	0	Ο	Ο	0	Ο	
Do you think this e-mail generated"	was (1) "Def	finitely Humar	n-written" to (6	6) "Definitely A	Al-	
1 2		3	4	5	6	
On a scale of 1-7, (1) being the lowest and (7) being the highest, how personal would you rate this email to be						
1 2	3	4	5	6	7	

# **Closing Survey**

Please answer the following questions. Once done, press the next button to complete this survey and get your survey ID

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
I am interested in using artificially intelligent systems in my daily life	0	0	Ο	0	0
Most people can be trusted	0	0	0	0	0
Computers can eliminate a lot of tedious work for people.	0	0	0	0	0

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
Computers are lessening the importance of too many jobs now done by humans.	Ο	Ο	Ο	0	Ο
People like me will suffer if Artificial Intelligence is used more and more	0	0	0	0	0

#### debrief + mturk

Debriefing Document for Enrolling Adult Participants in a Research Study: Georgia Institute of Technology

#### Social Implications of the GPT3 Era

Thank you for your participation in the "Social Implications of the GPT3 Era" research study at Georgia Institute of Technology. The purpose of this study was to explore the effect of AI priming relating to the agency of written emails on perceived trust.

In order to obtain the most accurate data possible, we did not explain the true purpose of this study to you. We randomly assigned each participant to one of the four experimental groups — (1) no priming, (2) priming representing complete human agency, (3) priming representing a middle ground between being written by an Al and a human, and (4) priming representing extreme Al agency. You received (1) no priming condition. Further,

the topical theme of the text ranged from more personal in nature to more logistical to understand the impact of the nature of the text as well. We apologize for any discomfort you may have experienced as a result of the discussion questions and/or deception.

All survey responses are anonymous, and it will not be possible to trace your data back to you.

true purpose of this study. If you choose to withdraw your consent, we will not use your data.

If you have any questions about your rights as a research participant, you may contact Dr. Diyi Yang at <a href="mailto:salt.socialcomputing@gmail.com">salt.socialcomputing@gmail.com</a>.

If you would like to receive a copy of the results, please let us know and we can email them to you at the conclusion of the study.

•

Please let us know at this time if you have any questions.

Thank you again for your participation!

## Here is your ID: \${e://Field/RandomID}

Please copy this value and paste it into MTurk.

Once done, you can click the next button to submit your survey.

Powered by Qualtrics